

Gifford Cutler, Lot 40



**PLAINTIFF'S
EXHIBIT**

CASE
NO. 16cv86-S

EXHIBIT
NO. 1

Mark Koenig, Lot 19



PLAINTIFF'S EXHIBIT	
CASE NO.	2016-cv-86-S
EXHIBIT NO.	2

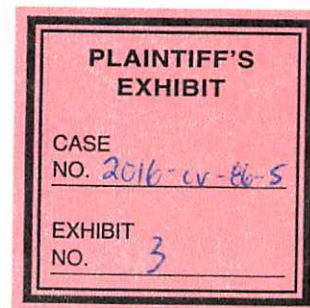
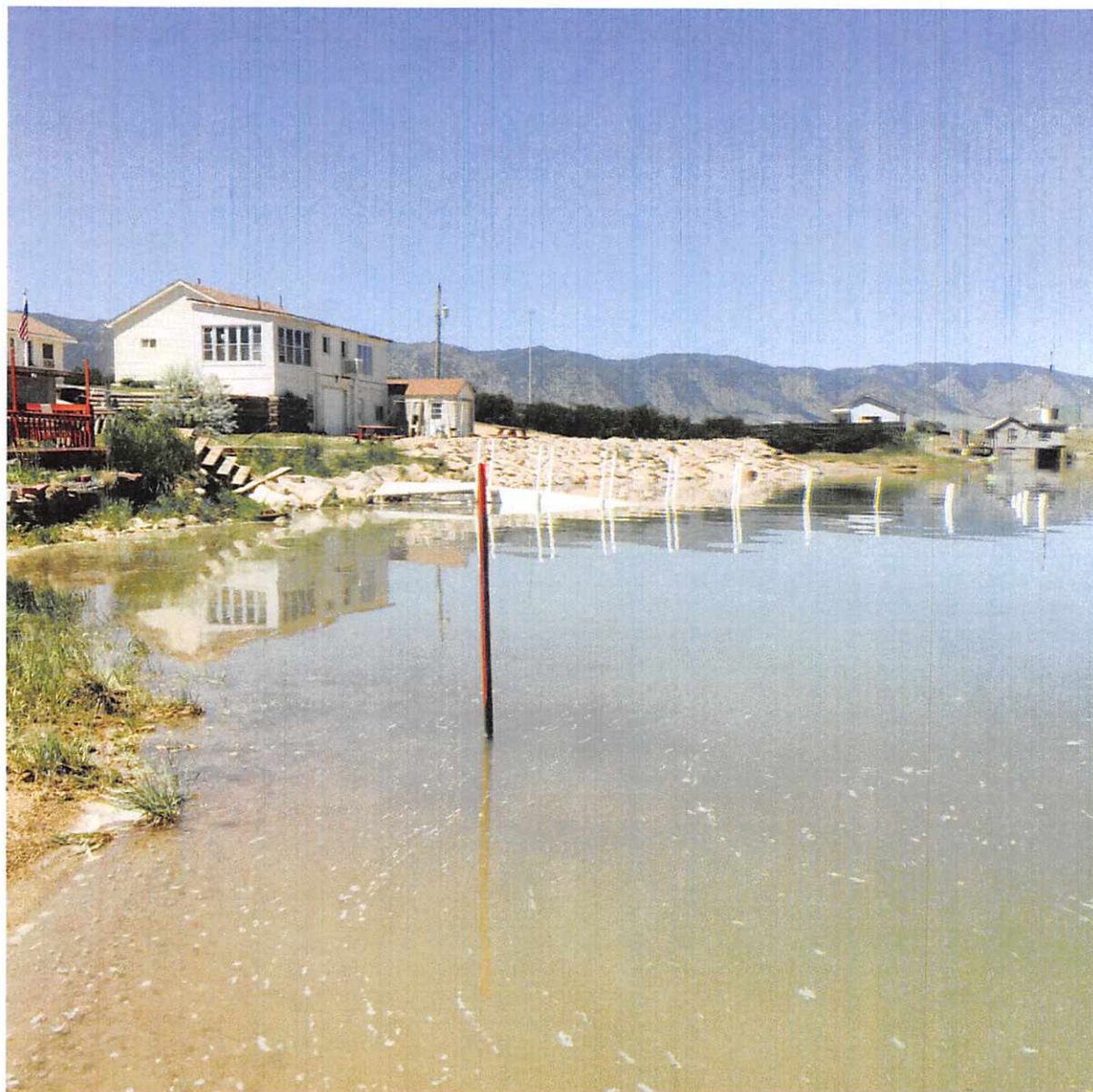
Mark Koenig, Lot 19



Mark Koenig, Lot 19



John E. McInroy & Ann W. Peck
Lot 7





Y

Greg Weisz

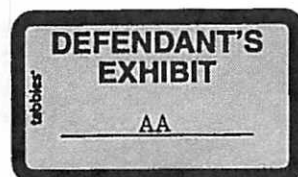
From: trevor hiegel [trevor.hiegel@wyo.gov]
Sent: Tuesday, April 12, 2016 8:26 AM
To: Greg Weisz
Subject: Lake Hattie capacity table
Attachments: Lake Hattie & Twin Buttes.xls; Lake Hattie Dam & Capacity Table.pdf

It looks like I had the capacity table in an Excel file. Also attached is the original permit map and capacity table. This shows the spillway being at 7278 and the capacity table there shows full is also at 7278. The ac-ft difference is because no official survey was ever done on Lake Hattie dead storage. WWC in 1993 assumed it was 30,000 ac-ft and that is why the capacity table now goes to 95,260 from the original permit map showing 65,260.

--

Trevor Hiegel
Laramie Water Office
Division 1, District 4A
307-742-0023
trevor.hiegel@wyo.gov

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.



STATE OF WYOMING

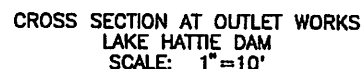
EXPANDED CAPACITY TABLE FOR : LAKE HATTIE RESERVOIR

GAGE HEIGHT FEET											DIFFERENCE
	.0	.10	.20	.30	.40	.50	.60	.70	.80	.90	
	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	
7254.0	34300	34500	34700	34900	35100	35300	35500	35700	35900	36200	
7255.0	36400	36600	36800	37000	37200	37500	37700	37900	38100	38300	
7256.0	38600	38800	39000	39200	39400	39600	39900	40100	40300	40500	
7257.0	40700	41000	41200	41400	41600	41800	42100	42300	42500	42700	
7258.0	42900	43200	43400	43600	43800	44000	44300	44500	44700	44900	
7259.0	45100	45300	45600	45800	46000	46200	46400	46700	46900	47100	
7260.0	47300	47500	47800	48000	48200	48400	48700	48900	49100	49400	
7261.0	49600	49800	50000	50300	50500	50700	50900	51200	51400	51600	
7262.0	51800	52100	52300	52500	52700	53000	53200	53400	53600	53900	
7263.0	54400	54600	54900	55100	55400	55600	55900	56100	56400	56600	
7264.0	56900	57100	57300	57600	57800	58100	58300	58600	58800	59100	
7265.0	59300	59600	59800	60100	60400	60600	60900	61200	61400	61700	
7266.0	61900	62200	62500	62700	63000	63200	63500	63800	64000	64300	
7267.0	64500	64800	65100	65300	65600	65800	66100	66400	66600	66900	
7268.0	67100	67400	67700	67900	68200	68500	68700	69000	69200	69500	
7269.0	69800	70000	70300	70500	70800	71100	71300	71600	71800	72100	
7270.0	72400	72600	72900	73200	73500	73700	74000	74200	74500	74700	
7271.0	75000	75200	75400	75600	75900	76100	76300	76500	76700	76900	
7272.0	77200	77300	77500	77700	77900	78000	78200	78400	78500	78700	
7273.0	79000	79100	79300	79400	79500	79700	79800	79900	80100	80200	
7274.0	80500	80600	80700	80800	80900	81000	81200	81300	81400	81500	
7275.0	86400	86700	87000	87300	87600	87900	88200	88400	88700	89000	
7276.0	89300	89600	89900	90200	90500	90800	91100	91400	91700	92000	
7277.0	92300	92600	92900	93200	93500	93800	94100	94400	94700	95000	
7278.0	95300										
	Permit No. 1372R, 7435R, 9250R										
	Priority Dates:		5-11-1908	28,426 ac-ft	In-Active Capacity		~30,000 ac-ft				
			8-1-1975	Sec. Supp 300 ac-ft	Total Storage		65,260 ac-ft				
			1-5-1986	36,834 ac-ft	Reservoir Capacity		95,260 ac-ft				
Computed by	WWC -Mar. 1993			Checked. by		WWC- Mar. 1993					
Remarks	elevation top of concrete outlet box is 7263.85 (56,500 A/F) per plans										

STATE OF WYOMING

EXPANDED CAPACITY TABLE FOR: LAKE HATTIE RESERVOIR

GAGE HEIGHT FEET											DIFFERENCE
	.0	.10	.20	.30	.40	.50	.60	.70	.80	.90	
	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	A-Ft	
7224.0	0	55	110	165	220	275	330	385	440	495	
7225.0	550	605	660	715	770	825	880	935	990	1050	
7226.0	1100	1150	1200	1250	1300	1400	1450	1500	1550	1600	
7227.0	1650	1700	1750	1800	1850	1950	2000	2050	2100	2150	
7228.0	2200	2250	2300	2350	2400	2450	2550	2600	2650	2700	
7229.0	2750	2800	2850	2900	2950	3050	3100	3150	3200	3250	
7230.0	3300	3400	3450	3550	3650	3700	3800	3900	3950	4050	
7231.0	4150	4200	4300	4400	4500	4550	4650	4750	4800	4900	
7232.0	5000	5050	5150	5200	5300	5400	5500	5550	5650	5750	
7233.0	5800	5900	6000	6100	6150	6250	6300	6400	6500	6600	
7234.0	6650	6750	6800	6900	7000	7100	7150	7250	7350	7400	
7235.0	7500	7600	7700	7800	7950	8050	8150	8250	8400	8500	
7236.0	8600	8700	8800	8900	9050	9150	9250	9350	9500	9600	
7237.0	9700	9800	9900	10000	10100	10200	10400	10500	10600	10700	
7238.0	10800	10900	11000	11100	11200	11400	11500	11600	11700	11800	
7239.0	11900	12000	12100	12200	12300	12400	12600	12700	12800	12900	
7240.0	13000	13100	13200	13400	13500	13600	13800	13900	14000	14100	
7241.0	14200	14400	14500	14600	14800	14900	15000	15100	15200	15400	
7242.0	15500	15600	15800	15900	16000	16100	16200	16400	16500	16600	
7243.0	16800	16900	17000	17100	17200	17400	17500	17600	17800	17900	
7244.0	18000	18100	18200	18400	18500	18600	18800	18900	19000	19100	
7245.0	19200	19400	19500	19700	19800	20000	20100	20200	20400	20500	
7246.0	20700	20800	20900	21100	21200	21400	21500	21600	21800	21900	
7247.0	22100	22200	22300	22500	22600	22800	22900	23000	23200	23300	
7248.0	23500	23600	23700	23900	24000	24200	24300	24400	24600	24700	
7249.0	24900	25000	25100	25300	25400	25600	25700	25800	26000	26100	
7250.0	26300	26500	26700	26900	27100	27200	27400	27600	27800	28000	
7251.0	28200	28400	28600	28800	29000	29200	29400	29600	29800	30000	
7252.0	30200	30400	30600	30800	31000	31200	31400	31600	31800	32100	
7253.0	32300	32500	32700	32900	33100	33300	33500	33700	33900	34100	
Computed by WWC-Mar. 1993 Checked by WWC-Mar. 1993											
Remarks = inactive storage											



LAKE HATTIE RESERVOIR
AREA—CAPACITY TABLE
(CORRECTED BY THE PETROLEUM)

AMENDED CAPACITY
PERMIT NO 820082
DUL. LAKE
WATTE RESERVOIR,
30.834 ACRES - FERT
THIS PETITION

- 1) THE ENTIRE CAPACITY OF FISH LAKE NATIVE RESERVOIR, PERMIT NO 1373 RES IS ABANDONED
- 2) THE WINDING DAVE AND FISH COMMISSION MAY FROM TIME TO TIME CONTINUE TO TEMPORARILY STORE ABOVE ELEVATION 7261.5 THE 300 ACREE-FEET OF WATER WHICH IS IN TRANSIT TO TWIN BUTTES RESERVOIR, PERMIT NO 7435 RES, PURSUANT TO CROFT RECORD 18, PAGES 236-237.
- 3) LAKE LAKE NATIVE RESERVOIR, PERMIT NO 1373 RES, HAS 31,574 ACREE-FEET ABANDONED, WITH THE REMAINING ADJUDICATED CAPACITY OF 28,128 ACREE-FEET FOR IRRIGATION PURPOSES BELOW ELEVATION 7263.12; AND 300 ACREE-FEET AS DESCRIBED IN 2) ABOVE FOR TEMPORARY STORAGE BETWEEN ELEVATION 7263 AND ELEVATION 7263.12.
- 4) DUE TO THE CHANGE IN DEAD STORAGE ELEVATION, REFERENCES ABOVE TO ELEVATIONS 7263 AND 7263.12 ARE CHANGED TO 7264.32 AND 7264.48, RESPECTIVELY.

[illegible]

1. PHIL A. REYNOLDS OF LAMAR, OYSTERED MONEY STATES THAT THIS MAP WAS MADE FROM INFORMATION ON FILE AT THE STATE GEOGRAPHIC OFFICE AND FROM MAPS 7 1/2 INCH QUADRANGLE MAPS (FOODCROKER LAKE AND MILLBROOK) AND ACRAL TOWNSHIP MADE BY HIM UNDER MY DIRECTION DURING FEBRUARY AND MARCH 1964, AND SEPTEMBER 1964, AND THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, IT CORRECTLY REPRESENTS THE LOCATIONS OF THE RESERVOIR AND SUPPLY CANALS, AND THEIR CAPACITIES AS DESCRIBED IN THE ACCOMPANYING APPLICATION AND PETITION.

Paul A. Richards
PAUL A. RICHARDS
P.E. & L.S. BYRONIA / 430



MAP TO THE STATE BOARD OF CONTROL PURSUANT TO ORDER RECORD NO. 77, PAGE 443-448, TO IDENTIFY PARTIAL ABANDONMENT OF LAKE MATTE RESERVOIR, PERMIT NO. 1372 RES., PROOF NO. 18063, WITH PRIORITY OF MAY 11, 1968, AND TOTAL ABANDONMENT OF CHL LAKE MATTE RESERVOIR, PERMIT NO. 1373 RES., PROOF NO. 18064, WITH PRIORITY OF SEPTEMBER 18, 1968.

DRAWN BY: CGB	CHECKED BY: PAR	DATE: 1-24-82	SHEET NO: 14 OF 6
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S.E. DOCKET No. 92-3-1

Western
Water
Consultants, Inc.

19 MAY 1952

PERMIT Nos. 6842 ENL., 6843 ENL.
F 9250 RES. E-22

Form S.W. 1
Rev. 4-82

STUDLEY

NOTE: Do not fold this form. Use type-
writer or print neatly with black
ink.

STATE OF WYOMING

OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO APPROPRIATE SURFACE WATER MICROFILMED APR 15 87

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

Filing/Priority Date

THE STATE OF WYOMING, } SS.
STATE ENGINEER'S OFFICE }

This instrument was received and filed for record on the 1st day of May A.D. 1986 at 3:30 o'clock P. M.

FRANK J. TRELEASE, Assistant State Engineer

Recorded in Book 42 of Reservoirs on Page 53
Fee Paid \$25.00 Map Filed E

WATER DIVISION NO. 1 DISTRICT NO. 4 Temp. Filing No. 26 5/29

S. O. D. PERMIT NO. 9250 RESERVOIR E-22

NAME OF FACILITY

THE Enlargement of Lake Hattie (Permit Nos. 1372 R) ~~1372 R~~ RESERVOIR1. Name(s), mailing address and phone no. of applicant(s) is/are Laramie River Company
PIONEER CANAL/LAKE HATTIE IRRIGATION DISTRICT P.O. Box 1285
P.O. BOX 1285
LARAMIE, WYOMING 82070

(If more than one applicant, designate one to act as Agent for the others)

2. Name & address of agent to receive correspondence and notices Paul H. Rechar, P.E. & L.S.
Western Water Consultants, Inc., 611 Skyline Road, Laramie, Wyo. 820703. The use to which the water is to be applied is Irrigation, Mun., Ind., Fish, Flood Control, Power, Domestic (SEE REMARKS)
(a) If more than one beneficial use of water is applied for, the reservoir capacity must be allocated in acre-feet to the various uses

Active Capacity	Inactive Capacity
* 28,426 acre-feet: Irrigation & Temporary Storage (SEE REMARKS)	(SEE REMARKS)
36,834	
40,574 acre-feet: (SEE REMARKS)	
(b) The area of the high-water line of the reservoir is 3,032 acres.	* 28,426 A-F, Permit No. 1372RES.
(c) The total available capacity of the reservoir is 65,260 acre-feet 36,834 40,574	40,574 A-F, This Enl.
(d) If enlargement, the capacity of this enlargement is 40,574 acre-feet.	69,000 A-F Total (SEE REMARKS)
4. The source of the proposed appropriation is <u>Laramie River and Little Laramie River</u> <u>Local Drainage, all tributary to North Platte River.</u>	

5. The outlet of the proposed reservoir is located N. 29° 15' E. 2,280 feet distant from the Southwest corner of Section 26 T. 15 N. R. 76 W., and is in the NW 1/4 SW 1/4 of Section 26 T. 15 N. R. 76 W.

6. Are any of the lands covered by the proposed reservoir owned by the State or Federal Government? If so, describe lands and designate whether State or Federally owned.

Federal - a portion of Section 26, T15N, R76W. The BLM has sold to various private owners most of the land adjacent to the reservoir

7. Fill out either (a) or (b).

(a) The reservoir is located in the channel of

(b) The reservoir is to be filled through the Lake Hattie Supply Canals Nos. 1 and 2 Canal, which has a carrying capacity of 1,500 ± 700 cubic feet per second, respectively.

8. (a) The dam is to be constructed as follows: Existing Compacted Earthfill

Contents = Cubic Yards.

(b) The water face of the dam is to be protected from wave action in the following manner:

Rock Rip Rap

Permit No. 9250 Res.

Page No. 53

DEFENDANT'S
EXHIBIT

FF

9. The estimated time required for commencement of work is 5 Years for completion of Construction is 5 Years.

10. The accompanying map is prepared in accordance with the State Engineer's Manual of Regulations and Instructions for filing applications and is hereby declared a part of this application. The State Engineer may require the filing of detailed construction plans.

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Paul A. Richard

Signature of Applicant or Agent

Date May 1, 1986

NOTE: If construction under this application is for enlargement of an existing reservoir, a consent to this enlargement should be attached hereto from its present owners.

REMARKS

ITEM 3 - Active Contents:

Permit No. 1372 Res. capacity includes:	
Irrigation -	28,126 A-F
Temporary storage for water restored in Twin	
Buttes Reservoir, Permit No. 7435 Res., for	
the Game and Fish Commission per Order Record	
19, Pages 236-237.	300 A-F
Total - Permit No. 1372 Res.	28,426 A-F *

ITEM 3 - Inactive Contents:

A natural basin creates the inactive capacity, or dead storage of this reservoir, the capacity of which was not determined by the survey for this application, and the determination of inactive capacity was waived by the State Engineer to reduce the cost of the survey.

NOTE: The entire capacity of Permit No. 1373 Res., Enl. Lake Hattie Reservoir, is completely abandoned. See Order Record 27, Pages 443-448.

ITEM 3 - Uses: The applicant believes that all uses specified are justifiable with the following explanations;

1. IRRIGATION. This type of use is obvious and was provided in the original application. We do not want to specify the lands to be irrigated because they may vary from year to year.
2. MUNICIPAL. It is possible that the City of Laramie might want to become a co-sponsor of the project under the auspices of the Water Development Commission. The City might make use of Lake Hattie either by treating the water to provide potable supplies or for use of untreated water within the municipality.
3. INDUSTRIAL. The economic development board of the City and County is actively pursuing various types of economic development for the area. The possibility of using Lake Hattie to provide water for industrial purposes should be provided.

SEE REMARKS CONTINUATION SHEET

NOTICE

A Manual of Regulations and Instructions for filing applications will be furnished by the State Engineer's Office upon request. By carefully complying with the instructions contained in the Manual, much trouble and delay will be saved by the applicant, the professional engineer or land surveyor, and the State Engineer's Office.

This application must be accompanied by maps in duplicate, prepared in accordance with the Manual and by a filing fee of twenty-five dollars (\$25.00).

Applications returned for corrections must be resubmitted to the State Engineer within 90 days with the corrections properly made; otherwise the filing will be cancelled.

This application, when approved, does not constitute a complete water right. It is your authority to begin construction work, which must be commenced within the time allowed in the permit.

Notice of commencement of work and completion of the work described in the permit, must be filed in the State Engineer's Office before the expiration of the time allowed in the permit.

If extensions of time beyond the time limits set forth in the permit are required, requests for same must be in writing, stating why the additional time is required, and must be received in the State Engineer's Office before the expiration of the time allowed in the permit.

To perfect your water right, your Water Division Superintendent, or his authorized representative, will contact you after you have submitted notice to the State Engineer stating you have completed the construction as described in your permit. After execution of the proof, it will be considered by the State Board of Control, and, if found to be satisfactory, the Board will issue to you a Certificate of Appropriation which will constitute a completed water right.

The granting of a permit does not constitute the granting of a right-of-way. If any right-of-way is necessary in connection with the application, it should be understood that this responsibility is the applicant's.

MICRO.
FILMED APR 15 '87

REMARKS CONTINUATION

T.F. NO. 26 5/29

4. FISH (and recreation). Lake Hattie is a significant fishing resource for Albany County. In addition, the Wyoming Game and Fish Commission purchased water from Lake Hattie for use in Twin Buttes Reservoir, Permit No. 7435 RES. Another fishing reservoir (12-Mile Lake) might be developed in the future, using Lake Hattie water. There is considerable interest in the possibility of releasing Lake Hattie water to the Laramie River to provide minimum flow for fish and recreation.

5. FLOOD CONTROL. When the Laramie and/or Little Laramie Rivers are flooding, it is proposed to divert some of the flood waters to Lake Hattie, thereby reducing the flood level in the rivers.

6. POWER. There is a possibility that Basin Electric or some other power generating company might purchase water from Lake Hattie in times of shortage.

7. DOMESTIC. Currently cabins along the shore of the lake or ranches along the outlet canals make use of Lake Hattie water for domestic purposes.

In regard to the allocation for storage for each purpose, it is not proposed to allocate specific amounts to specific purposes. Lake Hattie will be used for long term hold-over storage and year to year uses may vary. It would severely limit the usability of the reservoir and the water resources of Wyoming if all of the above types of uses were not included or to require allocations to specific purposes. It is proposed that the entire active capacity have the capability of being used for any of the stated purposes on an as needed basis.

NOTE: See "Final Report, Lake Hattie Rehabilitation Project, Level II, March 14, 1986", in State Engineer's Library - FD 395, 208.

Lake Hattie Dam and Reservoir and supply canals are existing facilities. The map presented is for the purpose of satisfying the requirements of the Board of Control as issued in Order Record 27, Page 443, and to apply for an enlargement of the water right to store up to 69,000 acre-feet. The State of Wyoming Water Development Commission is investigating the possibility of rehabilitating the facilities. The work proposed is described in "Final Report, Lake Hattie Rehabilitation Project, Level II, March 14, 1986" submitted to the Water Development Commission.

The major items of rehabilitation include placing gates at the inlets of the outlet works, replacing riprap on the face of the dam and enlarging the supply canals.

NOTE: See "Wyoming Dam Inspection Report" copy, filed in Miscellaneous Notices under Permit No. 9250 RES.

THE STATE OF WYOMING,
STATE ENGINEER'S OFFICE } SS.

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This permit grants only the right to use the water available in the stream after all prior rights are satisfied.

This permit is granted for Irrigation, Municipal, Industrial, Fish, Flood Control, Power and Domestic purposes (40,574 acre-feet enlarged active capacity). The uses being made at the time of adjudication shall be determined and adjudicated, and the permit uses adjudicated accordingly, eliminating the uses not being made. NOTE: A natural basin creates the inactive capacity, or dead storage of this reservoir, the capacity of which was not determined by the survey for this application, and the determination of which was waived by the State Engineer to reduce the cost of the survey.

Water stored in this facility is provided under Permit No. 6842 ENL., Second Enl. of Lake Hattie Supply Canal, from Laramie River, tributary of North Platte River; and Permit No. 6843 ENL., Lake Hattie Supply Canal No. 2, from Little Laramie River, tributary of Laramie River, tributary of North Platte River.

If the State Engineer determines at any point in time that the public safety so requires, water impounded in this facility shall be evacuated or maintained at any water level which may be required by the State Engineer. This condition is imposed in order to satisfy the requirements of Section 41-3-307 through 41-3-318, Wyoming Statutes.

The Enlargement of Lake Hattie Reservoir that is authorized by the issuance of this permit falls under the requirements of Wyoming Statutes 41-3-307 through 41-3-318. The rehabilitation work required under this permit must be supervised by a professional engineer licensed to practice in Wyoming, after plans for such replacement of inlet gates in the outlet works and replacing riprap on the face of dam are submitted to and approved by the State Engineer; and the integrity of this facility and its operation as well as the responsibility for the safe operation of this facility rest with the owner.

The granting of this permit does not constitute the granting of rights-of-way. The permittee must resolve any rights-of-way problems prior to storing water to the maximum elevation of 7278.

The time for commencement of construction work shall terminate on December 31, 1991
The time for completing the construction of the reservoir shall terminate on December 31, 1991.

Witness my hand this 13th day of March, A.D. 1987.

George L. Christopoulos
George L. Christopoulos, State Engineer

Permit No. 9250 Res.

Page No. 53
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PERMIT NO. 9250 RES.
E-22
PERMIT STATUS

Priority Date May 1, 1986

Approval Date March 13, 1987

December 28, 1990 - As-built drawings for Lake Hattie Reservoir received. Plans (11 sheets) are filed in Safety of Dams file under Permit No. 9250 Res., Water Division No. 1.

MICRO
FILMED MAY 23 1991

September 30, 1991 - Notice of expiration of time for commencement of work and completion of construction mailed.

October 10, 1991 - Notice of commencement of construction on October 16, 1989 received from Paul Rechard, Agent.

October 10, 1991 - Notice of completion of construction on January 9, 1990 received from Paul Rechard, Agent.

MICRO
FILMED MAY 22 1991

February 12, 1992 - Laramie Rivers Company hereby transfers and assigns all their right, title and interest of whatsoever nature in this permit to Pioneer Canal/Lake Hattie Irrigation District, P.O. Box 1285, Laramie, Wyoming 82070, their heirs successors or assigns forever. Assignment filed in Miscellaneous Notices, Permit No. 9250 Reservoir.

MICRO
FILMED MAR 6 1992

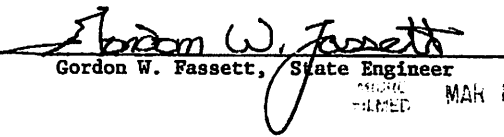
~~PROOF PREPARED. ADJUDICATION IN PROGRESS~~

March 11, 1992 - Petition, S.E. Docket No. 92-3-1, GRANTED to amend the map to show the as-built Cross Section at Outlet Works with modified controlling elevation for active capacity at elevation 7251.9, and to reduce the capacity under this Enl. Lake Hattie Reservoir from 40,574 acre-feet to 36,834 acre-feet, and the total capacity from 69,000 acre-feet to 65,260 acre-feet in accordance with the modification of the active capacity controlling elevation.

See Board Minute excerpts authorizing James O. Tucker to sign the petition on behalf of Pioneer Canal - Lake Hattie Irrigation District, filed in Miscellaneous Notices under this permit.

Petition map filed in Drawer E-22 as Sheet 1A of 6 of the original permit map, under Permit No. 6842 ENL.

Petition recorded in Miscellaneous Records Book No. 14, pages 101 & 102.


Gordon W. Fassett, State Engineer

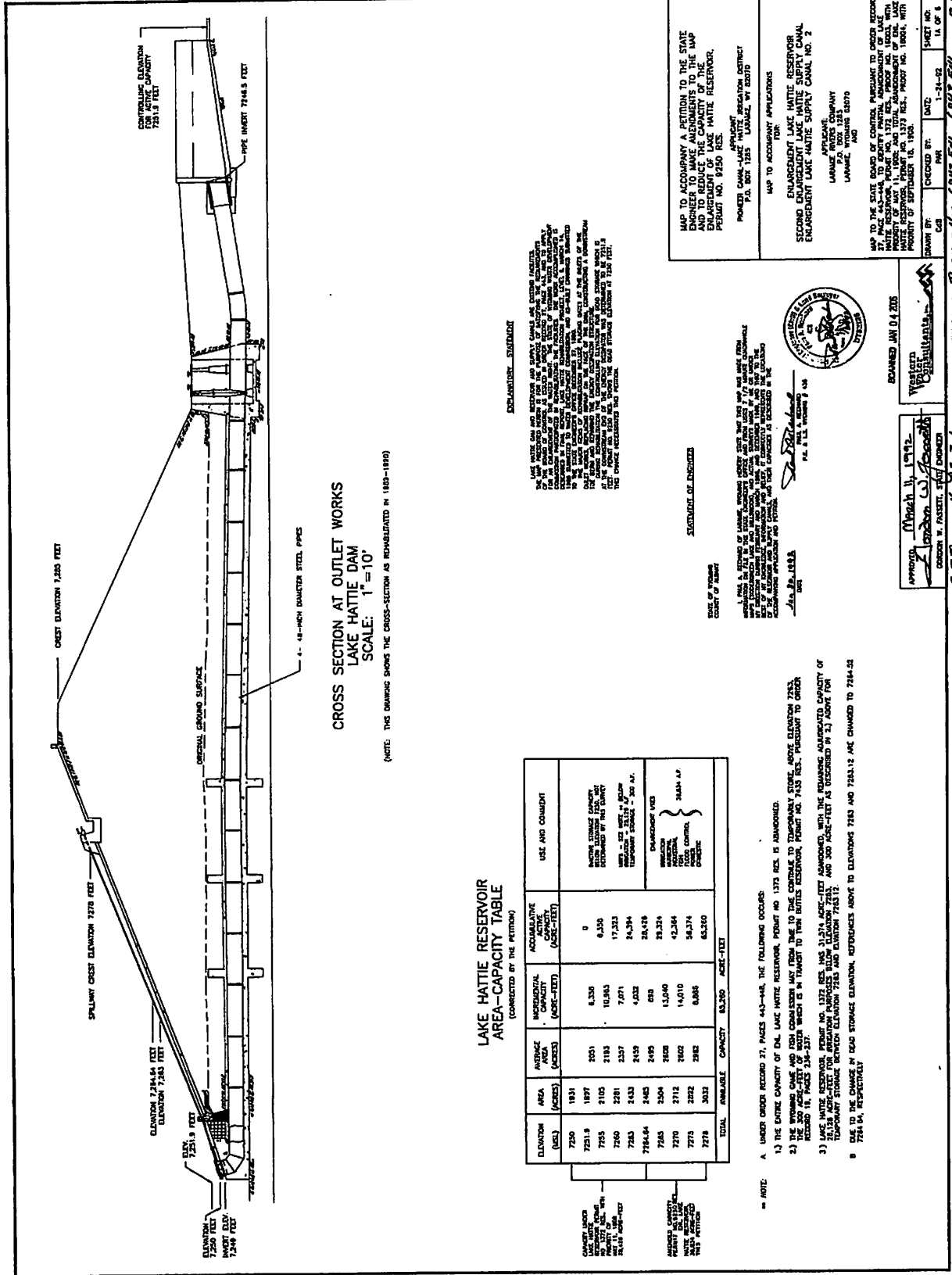
MICRO
FILMED MAR 10 1992

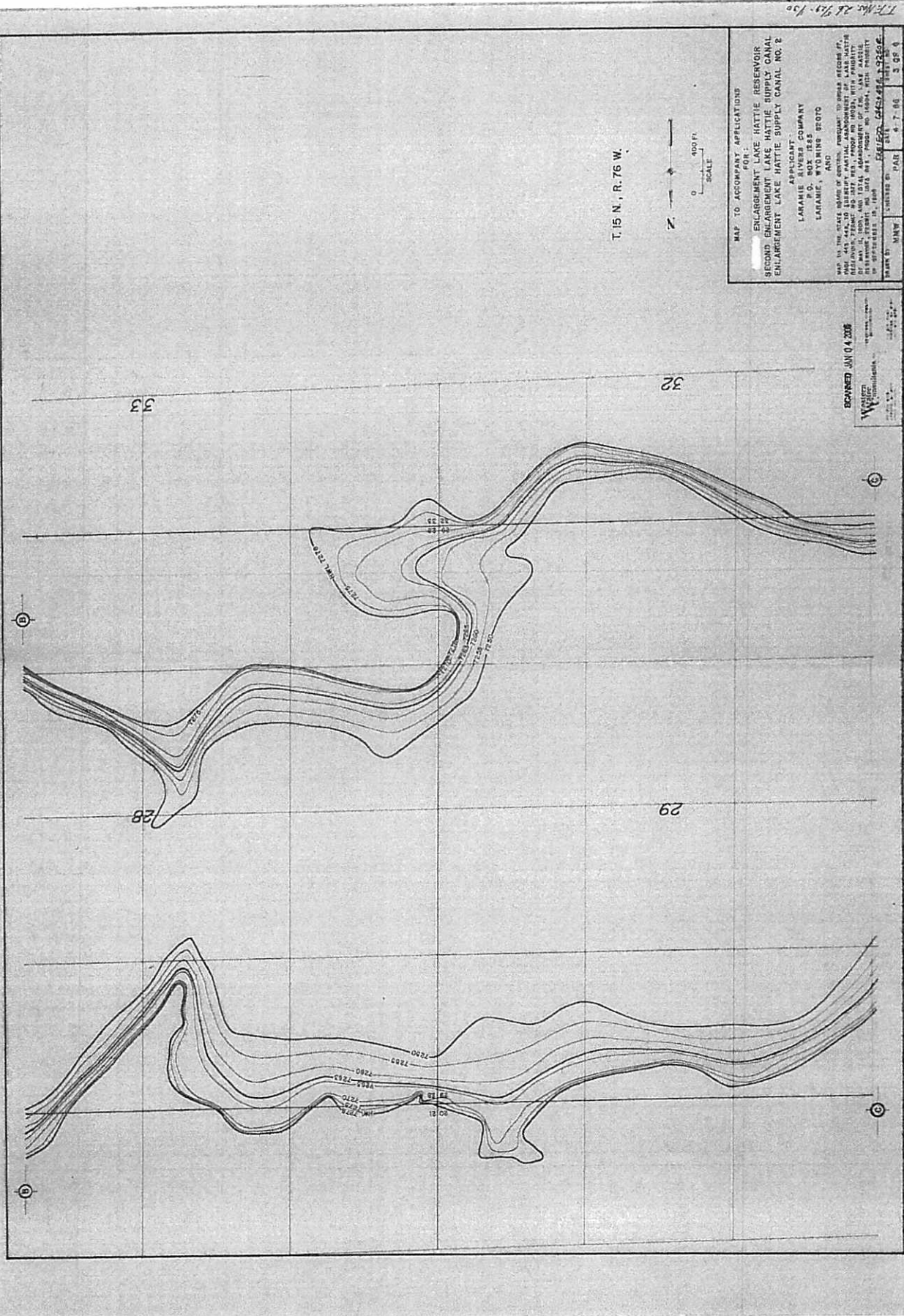
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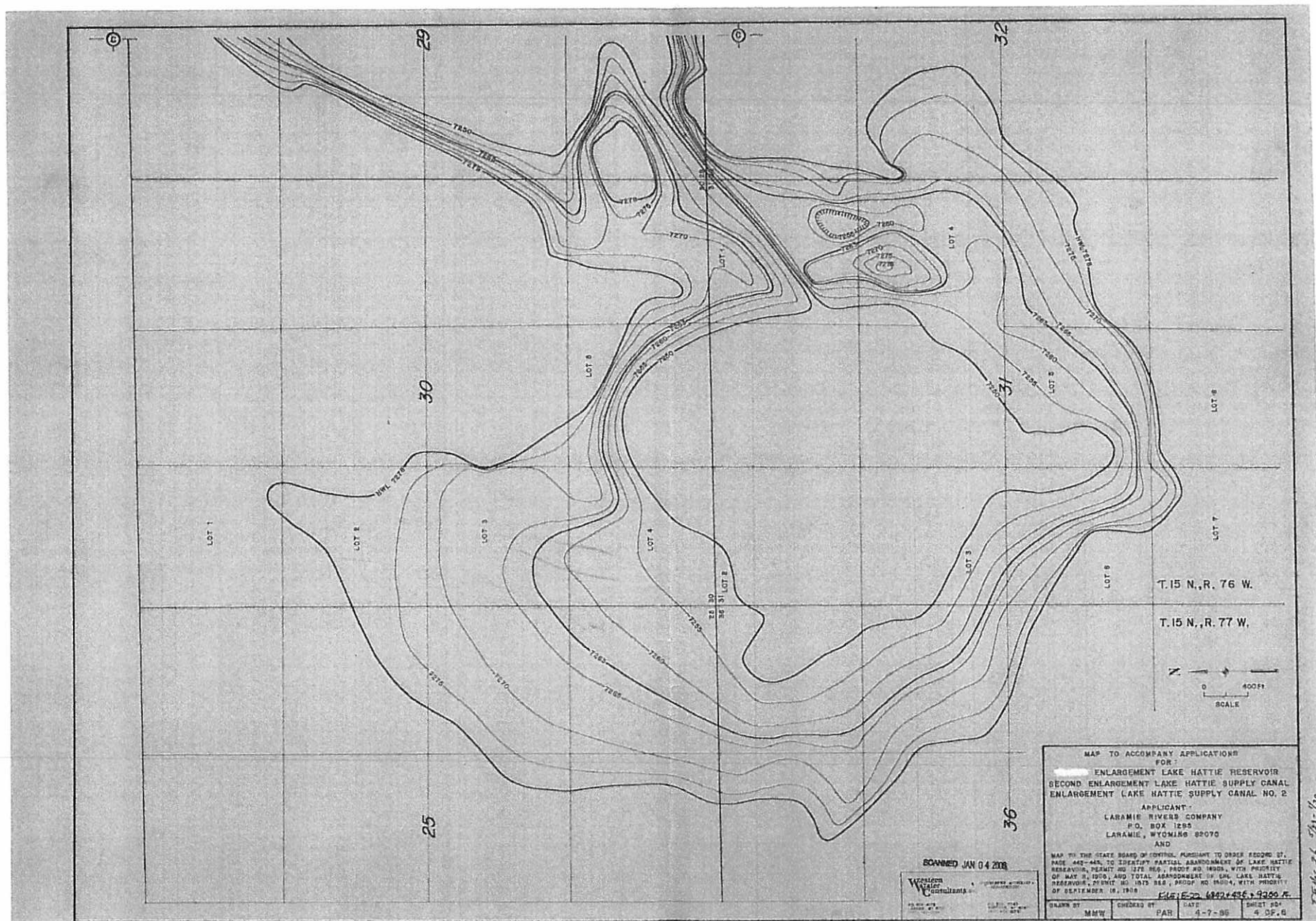
IRR. STK. DOM. MISC. Fee, Mun., Ind., Fish, Prop., Flood Control,
AC. 36,834 C.F.S. Power, Domm.

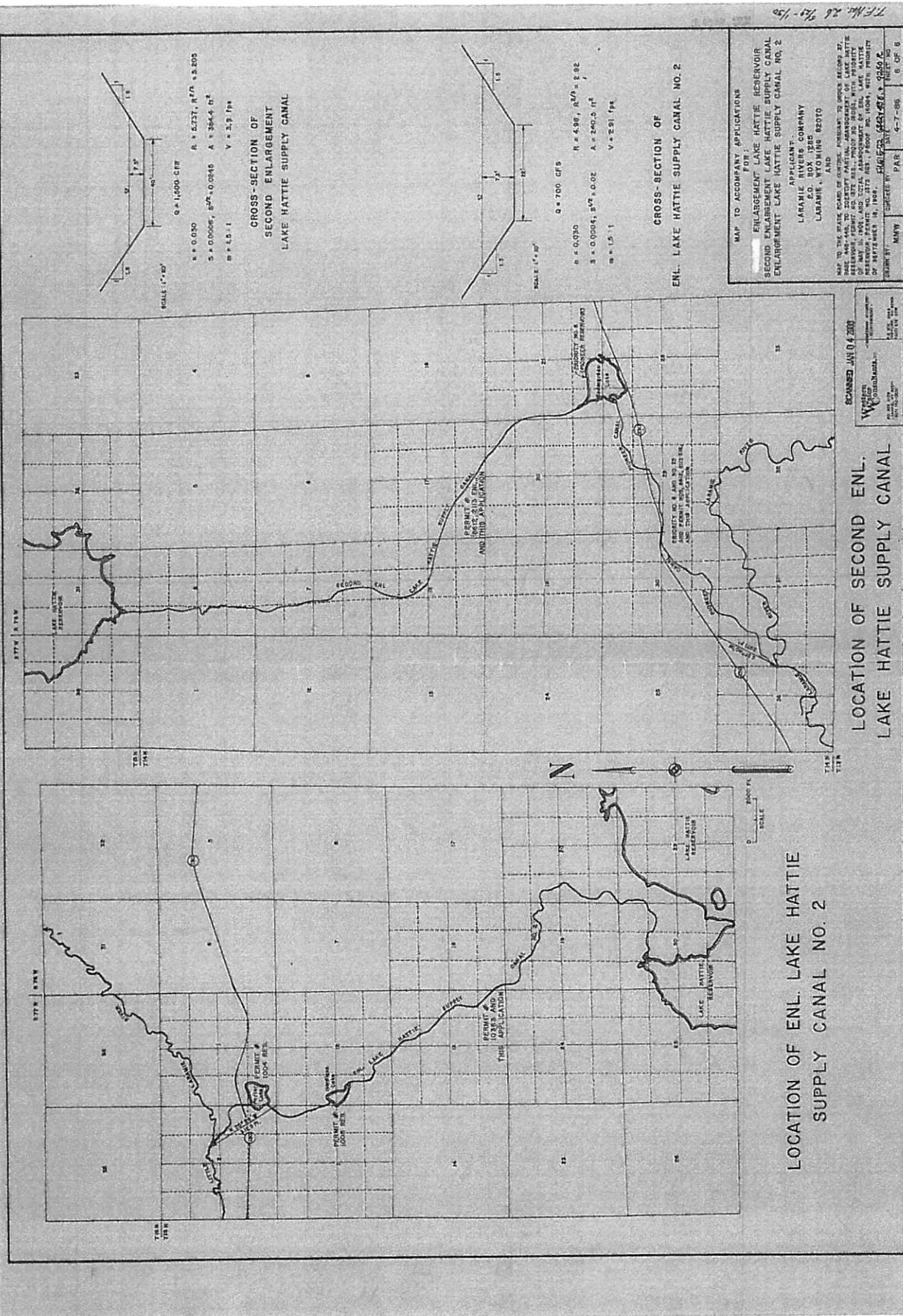
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119
1375 Rec
Completed

CANCELLED

RESERVOIR APPLICATIONS

Permit No. 40, 1381, Ac. 8,500 Ac. 1/1

THE B. A. HEDGECOCK PLASTER AND RIGGING COMPANY

APR 19 1975

SEP 17 '80

Application for a Permit to ~~Enlarge~~ the Lake Hattie Reservoir, and to Store the Unappropriated Water of the State of Wyoming.

Water Division No. 1

District No.

I, Z. I. Swenson,
of Laramie, County of Albany, State of Wyoming,
being duly sworn according to law, upon my oath say:

- The name of the applicant G. S. Spur
- The postoffice address of the applicant Chicago, Ill.
- The name of stream from which reservoir is to be filled and appropriation made is Flood Waters of Laramie River
- The use to which the water is to be applied is Irrigation
- The location of the proposed reservoir will be in Sec. 20-21-22-23-24-27-28-29-30-32 T. 15 N., R. 76 W., described as follows:
 - State whether situated in channel of running stream, and give character of material at outlet.
Not in channel of any stream.
Natural at outlet, a fine sandy loam.
 - If not in channel of running stream state how it is to be filled. If through canal give name and dimensions:
To be filled through Hattie Supply Canal.
 - The construction of dam, the material of which it is to be built and the method of protecting from waves are as follows:
Dam to be of earth.
- The area of reservoir is 2345 acres with maximum depth of 60 feet and approximate mean depth of water of 40 feet.
- The dimensions of dam are: Length on top, 1480 feet. Length on bottom, 110 feet. Width on top, 14 feet. Width on bottom, 214 feet. Depth, 40 feet. Slope of front, 3-1. Slope of back, 2-1. Height of dam above water line when full, 8 feet.
- The outlet and wasteway, with dimensions of each, are as follows:
- The outlet of the proposed reservoir is located SE 1/4 of Section 26, Township 15 North, Range 76 West.
- The estimated cost of said reservoir is \$45,000.
- Construction will begin on proposed works on or before Five years from date of approval.
- The time required for the completion of the works is Five years from date of approval.
Signed: Z. I. Swenson

Notar: The statements in the foregoing application, together with the maps and plans, must comply with the requirements of Chapter 60, Session Laws 1908.

PERMIT NO. 1373 RESERVOIR

Book 5

PERMIT NO. 1373 Res.

PERMIT STATUS

Priority Date September 18, 1908


Approval Date September 23, 1908

April 4, 1980 - Plans for repair of Lake Hattie Dam were approved. Plans indicate repair of the eroded face (870 feet long) of the dam. Eroded face will be backfilled and compacted with clay soil material and protected with a rock filled wire mesh blanket.

Permits No. 1372 Res., and 1373 Res., endorsed showing this repair activity. These construction plans, original permit maps (1372 Res., in folded file and 1373 Res., in "P" File, Division 1 under Permit No. 2113 Enl. "Amended") are cross-referenced.

Permits, permits maps, Construction Plans and State Engineer's letter of approval dated April 4, 1980, microfilmed for this activity. Said letter of approval is filed in Miscellaneous Notices under Permit No. 1373 Res.

Construction Plans (1 sheet) is filed in E-15, under Permit No. 1373 Res.


 GEORGE L. CHRISTOPOULOS
 State Engineer MICROFILMED APR 9 '80

September 13, 1989 - Construction Plans and Specifications for the rehabilitation of the outlet works, repairs to the upstream face riprap and construction of a toe drain at Lake Hattie Dam approved. Plans (11 Mylar sheets) filed under Permit NO. 1373 Res. in Safety of Dams Plans file under Water Division No. 1. Also see Safety of Dams files under Lake Hattie. Letter of approval dated September 13, 1989, filed in Miscellaneous Notices under Permit No. 1373 Res.

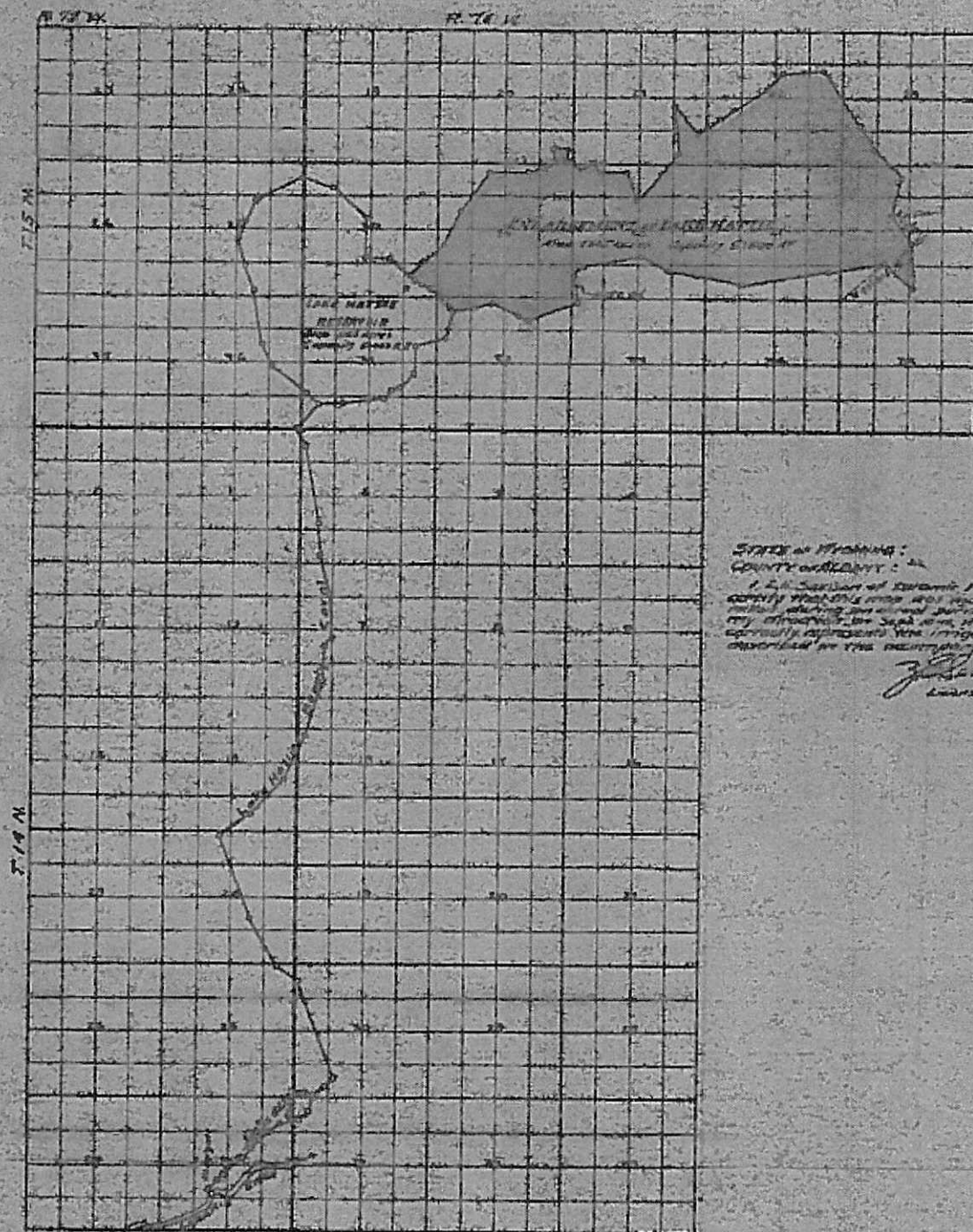
NOTE: As-built Plans (11-sheets) as referenced above, are filed in Safety of Dams file under Permit No. 9250 Res. Water Division No. 1.

MICROFILMED APR 19 '89

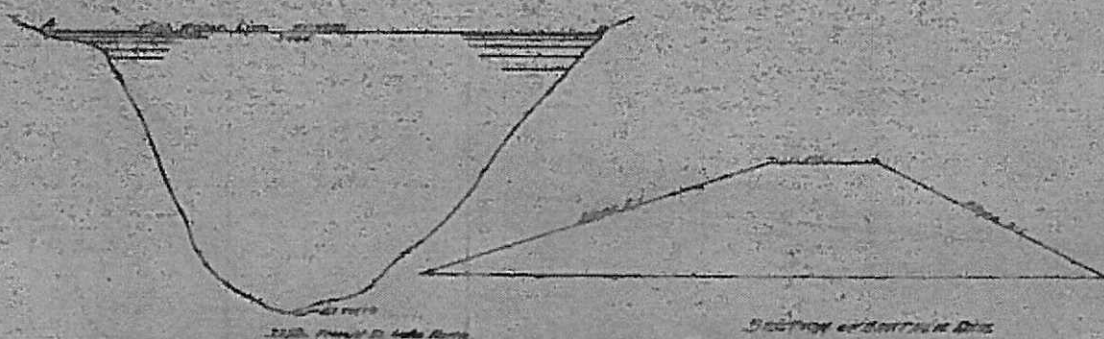
April 2, 1991 - This permit Cancelled or Abandoned upon recommendation of the Board of Control as a result of action by the Board on August 18, 1983. See Order Record Book No. 27, pages 443 through 448.


 GORDON W. FASSETT, State Engineer MICROFILMED APR 11 '91

MAP OF ENLARGEMENT OF LAKE HATTIE RESERVOIR Albany County, Wyo. Scale 1" = 1/2 mi.



STATE OF WYOMING:
COUNTY OF ALBANY: ss.
I, E. L. SARGENT, of said County of Albany, hereby certify that this map was made from maps and data obtained from the U.S. Geological Survey, and that the same are true and correct as the same appear on the said maps and data, and that the same are not intended to represent any other or different facts than those shown on the said maps and data.
E. L. Sargent
Surveyor General



PROFILE OF DAM SITE
Looking from the left

SECTION OF DAMTIDE DISE

1991 MAY 31 AM 8:24

RECEIVED
RAWLINS, WY

Certified to be a true and comparative
copy of the official records on file
with the Bureau of Land Management

Signature: *Beth Holden, Realty Specialist*



UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

ORIGINAL
5126

OF THE METER-AND-BOUNDS SURVEY OF ADJ. TRACTS IN SECTION 28,

AND THE DEFENDANT RESURVEY OF A PORTION OF THE BOUNDARIES OF SECTION 28,

TOWNSHIP 15 NORTH, RANGE 76 WEST

Of the STOCK FENCE Meridian,

In the State of WYOMING

EXECUTED BY

Thomas W. Crawford, Industrial Engineer,

Under special instructions dated FEBRUARY 24, 1950, which provided

for the surveys included under Group No. 219, bearing the approval of the

Commissioner of the General Land Office under date of MARCH 7, 1950

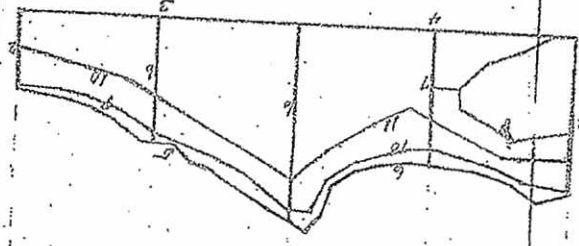
and assignment instructions dated OCTOBER 6, 1945.

Survey commenced OCTOBER 12, 1949.

Survey completed APRIL 3, 1950.

DEFENDANT'S
EXHIBIT
716

Signature: Beth Holden, Beth Holden



INDEK D I A G N A N

The survey was made with a survey transit no. 101, 25", good condition, and having been placed in satisfactory adjustment prior to beginning the survey, is tested and found free from appreciable error.

[illegible]

The first of these was the fact that the Government had been
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LAND PATENT EASEL TRACTS IN SECTION 20, TOWNSHIP 15 NORTH, RANGE 76 WEST,

9

LAND PATENT EASEL TRACTS IN SECTION 20, TOWNSHIP 15 NORTH, RANGE 76 WEST,

9

Establishment of that portion of the re-survey boundary survey within the boundaries of section 20, as shown on the Lake Lettie Reservoir and Irrigation Company map, certified to on September 24, 1909.

From the corner of Lot 50, on the west boundary of section 20, bearing thence

S. 56° 12' E., 5.594' to end of course find the decayed remains of a wooden stake. At this point, set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

L. 46

AP 47

1949

S. 65° 45' E., 0.913' At end of course find a decayed wood stake in the ground. At this point set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

L. 42

AP 48

1949

S. 9° 24' E., 2.056' At end of course find the remains of a decayed wood stake, at this point set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 49

1949

S. 55° 49' W., 4.582' At end of course find a decayed wood stake on the ground. At this point set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 50

1949

S. 69° 07' E., 5.637' At end of course find the remains of a decayed wood stake in the ground. At this point set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 51

1949

Certified to be a true and comparative copy of the official records on file with the Bureau of Land Management

Transfer of the north boundary of the lots in section 20, facing east to Lake Lettie Reservoir

Signature *[Signature]*

From the corner of Lots 1 and 21, on the east boundary of section 20, bearing thence

S. 69° 25' W., 6.492' Set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 1

1949

S. 80° 10' E., 9.523' Set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 2

1949

N. 64° 11' W., 5.858' At 6.57 intersect the S. 1/16 fractional subdivision of section 11, marked by a wood stake, hereinafter described, at end of course set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 3

1949

N. 44° 42' E., 4.31' Set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 4

1949

N. 59° 07' E., 5.105' At end of course intersect the fractional subdivision of section 21, marked by an iron post, set and marked as hereinafter described.

AP 5

1949

S. 82° 51' W., 4.115' Set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 6

1949

S. 77° 21' W., 6.395' Set an iron post, 26 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap and.

AP 7

1949

LARGE MATTIE SHALE TRACTS IN SECTION 28, TOWNSHIP 16 NORTH, RANGE 76 WEST

Chains S. 78° 25' W., 6,394. Set an iron post, 29 inc. long, 2½ inc. diam., 25 inc. in the ground, with brass cap and.

AP 27

1949

N. 1/2 4th W., 14.080 At 3.07 on this course intersect the N.1/16
accidental subdivision of section 12E, which
is marked by an iron post as heretofore
described.
At the end of course.
Set an iron post, 28 ins. long, 8 1/2 ins. diam,
26 ins. in the ground, with brass cap etc.

AP LB

L 35	L 35
L 46	L 46

1949

S. 89° 59' W., 10.0NS At the end of course the corner of Lots 40 and 50, on the west boundary of section 28, marked by a wooden post as hereinbefore described.

Traverse of the south boundary of lots 41 and 42
in Section 28

From the SE Cor. of Lot 42 on the W 1/16 meridional subdivision of section line marked as hereinbefore described.

At the end of course intersect Mr 48 of the boundary of Lake Mattie Reservoir, marked as hereinbefore described.

Wooden stakes, 1x2x18 inches, were established at all lot corners excepting those monumented with iron posts.

The dimensions and areas of all lots included in this survey are represented upon the official plat of the survey, which should be referred to for such information.

.. FIELD ASSISTANTS

[illegible]

Certified to be a true and comparative
copy of the official records on file
with the Bureau of Land Management

Signature: Leth Holden, Real Estate Specialist